

Jackson County Area, Colorado

St—Stumpp clay loam

Map Unit Setting

Elevation: 7,820 to 8,500 feet

Mean annual precipitation: 10 to 14 inches

Mean annual air temperature: 36 to 38 degrees F

Frost-free period: 35 to 45 days

Map Unit Composition

Stumpp and similar soils: 90 percent

Description of Stumpp

Setting

Landform: Drainageways, stream terraces, flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Fine-textured, calcareous alluvium

Typical profile

H1 - 0 to 3 inches: clay loam

H2 - 3 to 32 inches: clay

H3 - 32 to 60 inches: very gravelly loamy sand

Properties and qualities

Slope: 1 to 3 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Somewhat poorly drained

Capacity of the most limiting layer to transmit water (Ksat):

Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: About 24 to 36 inches

Frequency of flooding: Occasional

Frequency of ponding: None

Calcium carbonate, maximum in profile: 10 percent

Salinity, maximum in profile: Slightly saline to moderately saline (8.0 to 16.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 30.0

Available water storage in profile: Low (about 4.0 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability classification (irrigated): 6w

Land capability classification (nonirrigated): 7w

Hydrologic Soil Group: D

Ecological site: Mountain Meadow (R048AY241CO)

Data Source Information

Soil Survey Area: Jackson County Area, Colorado
Survey Area Data: Version 6, Dec 23, 2013